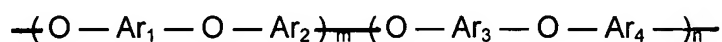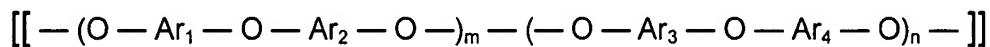## Amendments to the Specification:

The Specification does not present Paragraph numbers. Therefore, amendments shall be designated by page and line numbers.

Please replace the paragraph beginning on Page 2, line 15 and ending on Page 2, line 21.
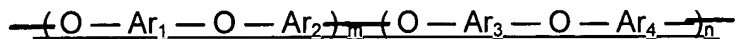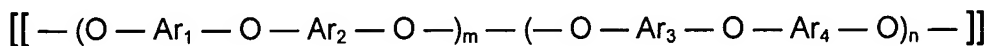
Accordingly, the invention provides a poly(arylene ether) polymer including polymer repeat units of the following structure:

$$[[- (O - Ar_1 - O - Ar_2 - O -)_m - (- O - Ar_3 - O - Ar_4 - O)_n -]]$$

$$-\!\!(O - Ar_1 - O - Ar_2)_m\!\!-\!\!(O - Ar_3 - O - Ar_4 -)_n\!\!-$$

where Ar_1, Ar_2, Ar_3, and Ar_4 are identical or different aryl radicals, m is 0 to 1, n is 1-m, and at least one of the aryl radicals is grafted to at least one unsaturated group that is non-aromatic and is adapted to crosslink at a curing temperature below 200°C without producing volatiles during curing and without providing functional groups after curing.
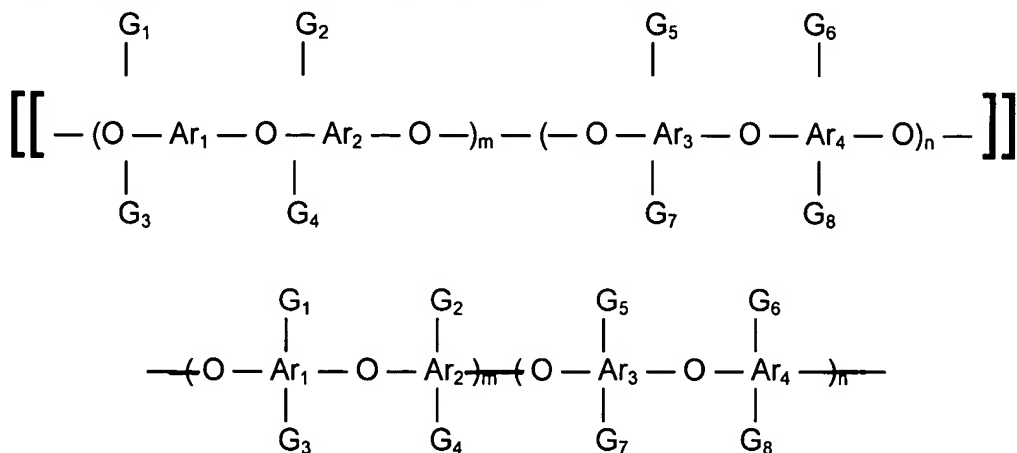
Please replace the paragraph beginning on Page 3, line 20 and ending on Page 3, line 37:

Polymers of the invention comprise polymer repeat units represented by the following structure:

$$[[- (O - Ar_1 - O - Ar_2 - O -)_m - (- O - Ar_3 - O - Ar_4 - O)_n -]]$$

$$-\!\!(O - Ar_1 - O - Ar_2)_m\!\!-\!\!(O - Ar_3 - O - Ar_4 -)_n\!\!-$$

where Ar_1, Ar_2, Ar_3, and Ar_4 are identical or different aryl radicals, m is 0 to 1, n is 1-m, and at least one of the aryl radicals is grafted to at least one unsaturated group (G), which is not aromatic and is adapted to crosslink at a curing temperature less than 200°C without producing volatiles during curing and without providing functional groups after curing. In

certain embodiments, each of the aryl radicals of the polymer repeat units is grafted to two unsaturated groups G, as shown in the following structure:

$$\left[\left[-(O-Ar_1\underset{G_3}{\overset{G_1}{|}}-O-Ar_2\underset{G_4}{\overset{G_2}{|}}-O-)_m-(-O-Ar_3\underset{G_7}{\overset{G_5}{|}}-O-Ar_4\underset{G_8}{\overset{G_6}{|}}-O)_n-\right]\right]$$

$$-\left(O-Ar_1\underset{G_3}{\overset{G_1}{|}}-O-Ar_2\underset{G_4}{\overset{G_2}{|}}\right)_m-\left(O-Ar_3\underset{G_7}{\overset{G_5}{|}}-O-Ar_4\underset{G_8}{\overset{G_6}{|}}\right)_n-$$

where G_1, G_2, G_3, G_4, G_5, G_6, G_7 and G_8 are identical or different unsaturated groups.